

# Contents

|  |     |  |     |   |     |
|--|-----|--|-----|---|-----|
| Abramov, V.V., Baldin, B.Yu., Buzulutskov, A.F., Vrazhnev, Yu.N., Glebov, V.Yu., Dyshkant, A.S., Evdokimov, V.N., Efimov, A.O., Zmushko, V.V., Krinitsin, A.N., Kryshkin, V.I., Kul'man, N.Yu., Mutaphyan, M.I., Podstavkov, V.M., Sulyaev, R.M., Turchanovich, L.K.: High $P_T$ Hadron Production off Nuclei at 70 GeV . . . . .  | 205 | C., Hahn, B., Hänni, H., Hansen, J.R., Hansen, P., Harnew, N., Himel, T., Hungerbühler, V., Jenni, P., Kofoed-Hansen, O., Lançon, E., Livan, M., Loucatos, S., Madsen, B., Mani, P., Mansoulié, B., Mantovani, G.C., Mappelli, L., Merkel, B., Möllerud, R., Nilsson, B., Onions, C., Parrou, G., Pastore, F., Plathow-Besch, H., Polverel, M., Repellin, J.-P., Rimoldi, A., Rothenberg, A., Roussarie, A., Sauvage, G., Schacher, J., Siegrist, J.L., Stimpf, G., Stocker, F., Swartz, M., Teiger, J., Tovey, S., Vercesi, V., Weidberg, A.R., Zaccone, H., Zakrzewski, J.A., Zeller, W.: A Study of High Transverse Momentum Electrons Produced in $\bar{p}p$ Collisions at 540 GeV . . . . . | 1   | J., Hellenbrand, K.H., Heuer, R.D., Komamiya, S., Krogh, J. von, Lennert, P., Matsumura, H., Rieseberg, H., Spitzer, J., Wagner, A., Finch, A., Foster, F., Hughes, G., Nozaki, T., Nye, J., Allison, J., Baines, J., Ball, A.H., Barlow, R.J., Chrin, J., Duerdoth, I.P., Loebinger, F.K., Macbeth, A.A., McCann, H., Mills, H.E., Murphy, P.G., Stephens, K., Glasser, R.G., Sechi-Zorn, B., Skard, J.A.J., Wagner, S., Zorn, G.T., Cartwright, S.L., Clarke, D., Marshall, R., Whittaker, J.B., Kanzaki, J., Kawamoto, T., Kobayashi, T., Koshihara, M., Minowa, M., Nozaki, M., Orito, S., Sato, A., Takeda, H., Takeshita, T., Totsuka, Y., Yamada, S.: Observation of Radiative $e^+e^-$ Annihilation Into $\mu\mu\gamma$ and $\mu\mu\gamma\gamma$ . . . . .  | 223 |
| Abt, I., see Bergsma, F., et al. . . . .   | 217 | Baier, R., see Aurenche, P., et al. . . . .  | 309 | Bartel, W., Becker, L., Bowdery, C., Cords, D., Felst, R., Haidt, D., Junge, H., Knies, G., Krehbiel, H., Laurikainen, P., Meinke, R., Naroska, B., Olsson, J., Pietarinen, E., Schmidt, D., Steffen, P., Warming, P., Zachara, M., Dietrich, G., Elsen, E., Heinzelmann, G., Kado, H., Meier, K., Petersen, A., Schneekloth, U., Weber, G., Ambrus, K., Bethke, S., Dieckmann, A., Heintze, J., Hellenbrand, K.H., Heuer, R.D., Komamiya, S., Krogh, J. von, Lennert, P., Matsumura, H., Rieseberg, H., Spitzer, J., Wagner, A., Finch, A., Foster, F., Hughes, G., Nozaki, T., Nye, J., Allison, J., Baines, J., Ball, A.H., Barlow, R.J., Chrin, J., Duerdoth, I.P., Glendinning, I., Loebinger, F.K., Macbeth, A.A., McCann, H., Mills, H.E., Murphy, P.G., Rowe, P., Stephens, K., Glasser, R.G., Skard, J.A., Wagner, S.R., Zorn, G.T., Cartwright, S.L., Clarke, D., Marshall, R., Whittaker, J.B., Kanzaki, J., Kawamoto, T., Kobayashi, T., Koshihara, M., Minowa, M., Nozaki, M., Orito, S., Sato, A., Takeda, H., Takeshita, T., Totsuka, Y., Yamada, S.: Experimental Study of the Photon Structure Function $F_2$ at $Q^2$ from 10 to 220 GeV <sup>2</sup> . . . . . | 231 |
| Alexander, G., see Brick, D.H., et al. . . . .   | 19  | Bailey, R., Bardsley, D.G., Belau, E., Böhlinger, T., Bosman, M., Cerrada, M., Chabaud, V., Damerell, C., Daum, C., Rijk, G. De, Dijkstra, H., Dwurazny, A., Gillman, A., Gilmore, R., Görlich, L., Hajduk, Z., Hardwick, C., Hoogland, W., Hyams, B.D., Klanner, R., Lütjens, G., Lutz, G., Malos, J., Männer, W., Polok, G., Rozanska, M., Rybicki, K., Seeburner, H.J., Spierenburg, W., Stierlin, U., Tapper, R.J., Tiecke, H.G., Turala, M., Vermeulen, J., Waltermann, G., Weillhammer, P., Wikkens, F., Wiggers, L.W., Wylie, A., Zeludziejewicz, T.: Inclusive $K^*(890)$ and $\bar{K}^*(890)$ Production on Beryllium by $K^-$ and $\pi^-$ at 175 GeV . . . . .                         | 111 | Bartarin, V.A., see Antipov, Yu.M., et al. . . . .  | 39  |
| Allaby, J.V., see Bergsma, F., et al. . . . .  | 217 | Baines, J., see Bartel, W., et al. . . . .   | 223 | Battiston, R., see Bagnaia, P., et al. . . . .  | 1   |
| Allasia, D., Angelini, C., Baldini, A., Bertanza, L., Bigi, A., Bisi, V., Bobisut, F., Bolognese, T., Borg, A., Calimani, E., Capiluppi, P., Casali, R., Ciampolillo, S., Derkaoui, J., Faccini-Turluer, M.L., Fantechi, R., Flaminio, V., Frodesen, A.G., Gamba, D., Giacomelli, G., Huizita, H., Jongejans, B., Lippi, I., Loreti, M., Louedec, C., Mandrioli, G., Marzari-Chiesa, A., Nappi, A., Pazzi, R., Petri, C., Ramello, L., Riccati, L., Romero, A., Rossi, A.M., Sconza, A., Serra-Lugaresi, P., Tenner, A., Apeldoorn, G.W. van, Dam, P. van, Vignaud, D., Wigmans, R.: Fragmentation in Neutrino and Antineutrino Charged Current Interactions on Proton and Neutron . . . . . | 119 | Baldin, B.Yu., see Abramov, V.V., et al. . . . .   | 205 | Becker, L., see Bartel, W., et al. . . . .  | 223 |
| Allison, J., see Bartel, W., et al. . . . .  | 223 | Baldini, A., see Allasia, D., et al. . . . .   | 119 | Belau, E., see Bailey, R., et al. . . . .   | 111 |
| Alyea, E.D. jr., see Brick, D.H., et al. . . . .   | 19  | Ball, A.H., see Bartel, W., et al. . . . .   | 223 | Benary, O., see Brick, D.H., et al. . . . .   | 19  |
| Amaldi, U., see Bergsma, F., et al. . . . .  | 217 | Ball, A.H., see Bartel, W., et al. . . . .   | 231 | Berends, F.A., Burgers, G.J.H., Dam, H. van: On Spin Three Self Interactions . . . . .  | 247 |
| Ambrus, K., see Bartel, W., et al. . . . .   | 223 | Banner, M., see Bagnaia, P., et al. . . . .  | 1   | Bergsma, F., Dorenbosch, J., Jonker, M., Nieuwenhuis, C., Allaby, J.V., Amaldi, U., Barbiellini, G., Barone, L., Capone, A., Fliegel, W., Lanceri, L., Metcalf, M., Panman, J., Plunkett, R., Santoni, C., Winter, K., Abt, I., Aspiazu, J., Büsser,  |     |
| Ambrus, K., see Bartel, W., et al. . . . .   | 231 | Barbiellini, G., see Bergsma, F., et al. . . . .   | 217 |   |     |
| Angelini, C., see Allasia, D., et al. . . . .  | 119 | Bardsley, D.G., see Bailey, R., et al. . . . .   | 111 |   |     |
| Ansorge, R.E., see Brick, D.H., et al. . . . .   | 19  | Barker, I.S., Martin, B.R.: QCD Analysis of Non-Singlet Electromagnetic Structure Functions . . . . .  | 255 |   |     |
| Antipov, Yu.M., Batarin, V.A., Bessubov, V.A., Budanov, N.P., Gorin, Yu.P., Denisov, S.P., Klimenko, S.V., Kotov, I.V., Lebedev, A.A., Petrukhin, A.I., Polovnikov, S.A., Roinishvili, V.N., Stoyanova, D.A.: Compton-Effect on $\pi^-$ -Meson . . . . .   | 39  | Barlow, R.J., see Bartel, W., et al. . . . .   | 223 |   |     |
| Apeldoorn, G.W. van, see Allasia, D., et al. . . . .   | 119 | Barlow, R.J., see Bartel, W., et al. . . . .   | 231 |   |     |
| Aspiazu, J., see Bergsma, F., et al. . . . .   | 217 | Baroncelli, A., see Bergsma, F., et al. . . . .  | 217 |   |     |
| Aurenche, P., Douiri, A., Baier, R., Fontanaz, M., Schiff, D.: The Deep Compton Scattering: Single Photon Spectrum and Photon-Hadron Correlations Beyond Leading Logarithms . . . . .  | 309 | Barone, L., see Bergsma, F., et al. . . . .  | 217 |   |     |
| Bachman, L., see Brick, D.H., et al. . . . .   | 19  | Bartel, W., Becker, L., Bowdery, C., Cords, D., Felst, R., Haidt, D., Huttunen, J., Junge, H., Knies, G., Krehbiel, H., Laurikainen, P., Meinke, R., Naroska, B., Olsson, J., Pietarinen, E., Schmidt, D., Steffen, P., Warming, P., Zachara, M., Dietrich, G., Elsen, E., Heinzelmann, G., Kado, H., Meier, K., Petersen, A., Schneekloth, U., Weber, G., Ambrus, K., Bethke, S., Dieckmann, A., Heintze,   |     |   |     |
| Bagnaia, P., Banner, M., Battiston, R., Bloch, P., Bonaudi, F., Borer, K., Borghini, M., Bürger, J., Cenci, P., Chollet, J.-C., Clark, A.G., Conta, C., Darriulat, P., DiLella, L., Dines-Hansen, J., Dorsaz, P.A., Engelmann, R., Fayard, L., Fraternali, M., Froidevaux, D., Fumagalli, G., Gaillard, J.-M., Gildemeister, O., Goggi, V.G., Gössling,  |     |  |     |   |     |

# Contents

|  |     |  |     |  |     |
|--|-----|--|-----|--|-----|
| Abramov, V.V., Baldin, B.Yu., Buzulutskov, A.F., Vrazhnev, Yu.N., Glebov, V.Yu., Dyshkant, A.S., Evdokimov, V.N., Efimov, A.O., Zmushko, V.V., Krinitsin, A.N., Kryshkin, V.I., Kul'man, N.Yu., Mutaphyan, M.I., Podstavkov, V.M., Sulyaev, R.M., Turchanovich, L.K.: High $P_T$ Hadron Production off Nuclei at 70 GeV . . . . .  | 205 | C., Hahn, B., Hänni, H., Hansen, J.R., Hansen, P., Harnew, N., Himel, T., Hungerbühler, V., Jenni, P., Kofoed-Hansen, O., Lançon, E., Livan, M., Loucatos, S., Madsen, B., Mani, P., Mansoulié, B., Mantovani, G.C., Mappelli, L., Merkel, B., Möllerud, R., Nilsson, B., Onions, C., Parrou, G., Pastore, F., Plathow-Besch, H., Polverel, M., Repellin, J.-P., Rimoldi, A., Rothenberg, A., Roussarie, A., Sauvage, G., Schacher, J., Siegrist, J.L., Stimpf, G., Stocker, F., Swartz, M., Teiger, J., Tovey, S., Vercesi, V., Weidberg, A.R., Zaccone, H., Zakrzewski, J.A., Zeller, W.: A Study of High Transverse Momentum Electrons Produced in $\bar{p}p$ Collisions at 540 GeV . . . . . | 1   | J., Hellenbrand, K.H., Heuer, R.D., Komamiya, S., Krogh, J. von, Lennert, P., Matsumura, H., Rieseberg, H., Spitzer, J., Wagner, A., Finch, A., Foster, F., Hughes, G., Nozaki, T., Nye, J., Allison, J., Baines, J., Ball, A.H., Barlow, R.J., Chrin, J., Duerdorth, I.P., Loebinger, F.K., Macbeth, A.A., McCann, H., Mills, H.E., Murphy, P.G., Stephens, K., Glasser, R.G., Sechi-Zorn, B., Skard, J.A.J., Wagner, S., Zorn, G.T., Cartwright, S.L., Clarke, D., Marshall, R., Whittaker, J.B., Kanzaki, J., Kawamoto, T., Kobayashi, T., Koshihara, M., Minowa, M., Nozaki, M., Orito, S., Sato, A., Takeda, H., Takeshita, T., Totsuka, Y., Yamada, S.: Observation of Radiative $e^+e^-$ Annihilation Into $\mu\mu\gamma$ and $\mu\mu\gamma\gamma$ . . . . .  | 223 |
| Abt, I., see Bergsma, F., et al. . . . .   | 217 | Baier, R., see Aurenche, P., et al. . . . .  | 309 | Bartel, W., Becker, L., Bowdery, C., Cords, D., Felst, R., Haidt, D., Junge, H., Knies, G., Krehbiel, H., Laurikainen, P., Meinke, R., Naroska, B., Olsson, J., Pietarinen, E., Schmidt, D., Steffen, P., Warming, P., Zachara, M., Dietrich, G., Elsen, E., Heinzelmann, G., Kado, H., Meier, K., Petersen, A., Schneekloth, U., Weber, G., Ambrus, K., Bethke, S., Dieckmann, A., Heintze, J., Hellenbrand, K.H., Heuer, R.D., Komamiya, S., Krogh, J. von, Lennert, P., Matsumura, H., Rieseberg, H., Spitzer, J., Wagner, A., Finch, A., Foster, F., Hughes, G., Nozaki, T., Nye, J., Allison, J., Baines, J., Ball, A.H., Barlow, R.J., Chrin, J., Duerdorth, I.P., Glendinning, I., Loebinger, F.K., Macbeth, A.A., McCann, H., Mills, H.E., Murphy, P.G., Rowe, P., Stephens, K., Glasser, R.G., Skard, J.A., Wagner, S.R., Zorn, G.T., Cartwright, S.L., Clarke, D., Marshall, R., Whittaker, J.B., Kanzaki, J., Kawamoto, T., Kobayashi, T., Koshihara, M., Minowa, M., Nozaki, M., Orito, S., Sato, A., Takeda, H., Takeshita, T., Totsuka, Y., Yamada, S.: Experimental Study of the Photon Structure Function $F_2$ at $Q^2$ from 10 to 220 GeV <sup>2</sup> . . . . . | 231 |
| Alexander, G., see Brick, D.H., et al. . . . .   | 19  | Bailey, R., Bardsley, D.G., Belau, E., Böhlinger, T., Bosman, M., Cerrada, M., Chabaud, V., Damerell, C., Daum, C., Rijk, G. De, Dijkstra, H., Dwurazny, A., Gillman, A., Gilmore, R., Görlich, L., Hajduk, Z., Hardwick, C., Hoogland, W., Hyams, B.D., Klanner, R., Lütjens, G., Lutz, G., Malos, J., Männer, W., Polok, G., Rozanska, M., Rybicki, K., Seeburner, H.J., Spierenburg, W., Stierlin, U., Tapper, R.J., Tiecke, H.G., Turala, M., Vermeulen, J., Waltermann, G., Weillhammer, P., Wikkens, F., Wiggers, L.W., Wylie, A., Zeludziejewicz, T.: Inclusive $K^*(890)$ and $\bar{K}^*(890)$ Production on Beryllium by $K^-$ and $\pi^-$ at 175 GeV . . . . .                         | 111 | Bartarin, V.A., see Antipov, Yu.M., et al. . . . .   | 39  |
| Allaby, J.V., see Bergsma, F., et al. . . . .  | 217 | Baines, J., see Bartel, W., et al. . . . .   | 223 | Battiston, R., see Bagnaia, P., et al. . . . .   | 1   |
| Allasia, D., Angelini, C., Baldini, A., Bertanza, L., Bigi, A., Bisi, V., Bobisut, F., Bolognese, T., Borg, A., Calimani, E., Capiluppi, P., Casali, R., Ciampolillo, S., Derkaoui, J., Faccini-Turluer, M.L., Fantechi, R., Flaminio, V., Frodesen, A.G., Gamba, D., Giacomelli, G., Huizita, H., Jongejans, B., Lippi, I., Loreti, M., Louedec, C., Mandrioli, G., Marzari-Chiesa, A., Nappi, A., Pazzi, R., Petri, C., Ramello, L., Riccati, L., Romero, A., Rossi, A.M., Sconza, A., Serra-Lugaresi, P., Tenner, A., Apeldoorn, G.W. van, Dam, P. van, Vignaud, D., Wigmans, R.: Fragmentation in Neutrino and Antineutrino Charged Current Interactions on Proton and Neutron . . . . . | 119 | Baldin, B.Yu., see Abramov, V.V., et al. . . . .   | 205 | Becker, L., see Bartel, W., et al. . . . .   | 223 |
| Allison, J., see Bartel, W., et al. . . . .  | 223 | Baldini, A., see Allasia, D., et al. . . . .   | 119 | Belau, E., see Bailey, R., et al. . . . .  | 111 |
| Alyea, E.D. jr., see Brick, D.H., et al. . . . .   | 19  | Ball, A.H., see Bartel, W., et al. . . . .   | 223 | Benary, O., see Brick, D.H., et al. . . . .  | 19  |
| Amaldi, U., see Bergsma, F., et al. . . . .  | 217 | Ball, A.H., see Bartel, W., et al. . . . .   | 231 | Berends, F.A., Burgers, G.J.H., Dam, H. van: On Spin Three Self Interactions . . . . .   | 247 |
| Ambrus, K., see Bartel, W., et al. . . . .   | 223 | Banner, M., see Bagnaia, P., et al. . . . .  | 1   | Bergsma, F., Dorenbosch, J., Jonker, M., Nieuwenhuis, C., Allaby, J.V., Amaldi, U., Barbiellini, G., Barone, L., Capone, A., Fliegel, W., Lanceri, L., Metcalf, M., Panman, J., Plunkett, R., Santoni, C., Winter, K., Abt, I., Aspiazu, J., Büsser,   |     |
| Ambrus, K., see Bartel, W., et al. . . . .   | 231 | Barbiellini, G., see Bergsma, F., et al. . . . .   | 217 |  |     |
| Angelini, C., see Allasia, D., et al. . . . .  | 119 | Bardsley, D.G., see Bailey, R., et al. . . . .   | 111 |  |     |
| Ansorge, R.E., see Brick, D.H., et al. . . . .   | 19  | Barker, I.S., Martin, B.R.: QCD Analysis of Non-Singlet Electromagnetic Structure Functions . . . . .  | 255 |  |     |
| Antipov, Yu.M., Batarin, V.A., Bessubov, V.A., Budanov, N.P., Gorin, Yu.P., Denisov, S.P., Klimenko, S.V., Kotov, I.V., Lebedev, A.A., Petrukhin, A.I., Polovnikov, S.A., Roinishvili, V.N., Stoyanova, D.A.: Compton-Effect on $\pi^-$ -Meson . . . . .   | 39  | Barlow, R.J., see Bartel, W., et al. . . . .   | 223 |  |     |
| Apeldoorn, G.W. van, see Allasia, D., et al. . . . .   | 119 | Barlow, R.J., see Bartel, W., et al. . . . .   | 231 |  |     |
| Aspiazu, J., see Bergsma, F., et al. . . . .   | 217 | Baroncelli, A., see Bergsma, F., et al. . . . .  | 217 |  |     |
| Aurenche, P., Douiri, A., Baier, R., Fontanaz, M., Schiff, D.: The Deep Compton Scattering: Single Photon Spectrum and Photon-Hadron Correlations Beyond Leading Logarithms . . . . .  | 309 | Barone, L., see Bergsma, F., et al. . . . .  | 217 |  |     |
| Bachman, L., see Brick, D.H., et al. . . . .   | 19  | Bartel, W., Becker, L., Bowdery, C., Cords, D., Felst, R., Haidt, D., Huttunen, J., Junge, H., Knies, G., Krehbiel, H., Laurikainen, P., Meinke, R., Naroska, B., Olsson, J., Pietarinen, E., Schmidt, D., Steffen, P., Warming, P., Zachara, M., Dietrich, G., Elsen, E., Heinzelmann, G., Kado, H., Meier, K., Petersen, A., Schneekloth, U., Weber, G., Ambrus, K., Bethke, S., Dieckmann, A., Heintze,   |     |  |     |
| Bagnaia, P., Banner, M., Battiston, R., Bloch, P., Bonaudi, F., Borer, K., Borghini, M., Bürger, J., Cenci, P., Chollet, J.-C., Clark, A.G., Conta, C., Darriulat, P., DiLella, L., Dines-Hansen, J., Dorsaz, P.A., Engelmann, R., Fayard, L., Fraternali, M., Froidevaux, D., Fumagalli, G., Gaillard, J.-M., Gildemeister, O., Goggi, V.G., Gössling,  |     |  |     |  |     |

|   |     |
|---|-----|
| F.W., Daumann, H., Gall, P.D., Hebbeker, T., Niebergall, F., Schütt, P., Stähelein, P., Gemanov, V., Gorbunov, P., Grigoriev, E., Kaftanov, V., Khovanskyy, V., Rosanov, A., Baroncelli, A., Biancastelli, R., Borgia, B., Bosio, C., Diemoz, M., Dore, U., Ferroni, F., Longo, E., Luminari, L., Monacelli, P., Notaristefani, F. de, Tortora, L., Valente, V.: Experimental Limits on the Production of Fractionally Charged Particles in Proton-Nucleus and Neutrino-Nucleus Collisions . . . . .  | 217 |
| Berny, L., see Brick, D.H., et al. . . . .  | 19  |
| Bertanza, L., see Allasia, D., et al. . . . .   | 119 |
| Bessubov, V.A., see Antipov, Yu.M., et al. . . . .  | 39  |
| Bethke, S., see Bartel, W., et al. . . . .  | 223 |
| Bethke, S., see Bartel, W., et al. . . . .  | 231 |
| Biancastelli, R., see Bergsma, F., et al. . . . .   | 217 |
| Bigi, A., see Allasia, D., et al. . . . .   | 119 |
| Bisi, V., see Allasia, D., et al. . . . .   | 119 |
| Bloch, P., see Bagnaia, P., et al. . . . .  | 1   |
| Bober, J.T., see Brick, D.H., et al. . . . .  | 19  |
| Bobisut, F., see Allasia, D., et al. . . . .  | 119 |
| Bock, H. De, see Brick, D.H., et al. . . . .  | 19  |
| Bogoljubsky, M., see Lemonne, J., et al. . . . .  | 103 |
| Böhringer, T., see Bailey, R., et al. . . . .   | 111 |
| Bolognese, T., see Allasia, D., et al. . . . .  | 119 |
| Bonaudi, F., see Bagnaia, P., et al. . . . .  | 1   |
| Bopp, F.W., Brandt, S., Dahmen, H.D., Schiller, D.H., Wöhner, D.: Spinless Bosons in Electron-Positron Annihilation . . . . .   | 367 |
| Borer, K., see Bagnaia, P., et al. . . . .  | 1   |
| Borg, A., see Allasia, D., et al. . . . .   | 119 |
| Borghini, M., see Bagnaia, P., et al. . . . .   | 1   |
| Borgia, B., see Bergsma, F., et al. . . . .   | 217 |
| Bosio, C., see Bergsma, F., et al. . . . .  | 217 |
| Bosman, M., see Bailey, R., et al. . . . .  | 111 |
| Bowdery, C., see Bartel, W., et al. . . . .   | 223 |
| Bowdery, C., see Bartel, W., et al. . . . .   | 231 |
| Brandt, S., see Bopp, F.W., et al. . . . .  | 367 |
| Brau, J.E., see Brick, D.H., et al. . . . .   | 19  |
| Brick, D.H., Rudnicka, H., Shapiro, A.M., Widgoff, M., Ansgore, R.E., Neale, W.W., Ward, D.R., Whyman, B.M., Burnstein, R.A., Rubin, H.A., Alyea, E.D. jr., Bachman, L., Chien, C.Y., Lucas, P., Pevsner, A., Bober, J.T., Frank, T.A.J., Hafen, E.S., Haridas, P., Huang, D., Hulsizer, R.I., Kistiakowsky, V., Lutz, P., Oh, S.H., Pless, I.A., Stoughton, T.B., Suchorebrow, V., Tether, S., Trepagnier, P.C., Wu, Y., Yamamoto, R.K., Grard, F., Hanton, J., Henri, V., Herquet, P., Lesceux, J.M., Pilette, P., Windmolders, R., Crijns, F., Bock, H. De, Kittel, W., Metzger, W., Pols, C., Schouten, M., Walle, R. Van de, Cohn, H.O., Carminati, F., Dolfini, R., Ratti, S., DiMarco, R., Jacques, P.F., Kalelkar, M., Plano, R.J., Stamer, P.E., Watts, T.L., Brucker, E.B., Koller, E.L., Taylor, S., Berny, L., Dado, S., Goldberg, J., Toaff, S., Alexander, G., Benary, O., Grunhaus, J., Heifetz, R., Levy, A., Brau, J.E., Bugg, W.M., Condo, G.T., Handler, T., Hart, E.L., Rogers, A.H., Eisenberg, Y., Karshon, U., Shapira, A., Ludlam, T., Steiner, R., Taft, H.: Planar Events Produced in Hadron-Proton Collisions at 147 GeV/c and Their Jet-Like Structures . . . . . | 19  |
| Brucker, E.B., see Brick, D.H., et al. . . . .  | 19  |
| Budanov, N.P., see Antipov, Yu.M., et al. . . . .   | 39  |
| Bugg, W.M., see Brick, D.H., et al. . . . .   | 19  |
| Bürger, J., see Bagnaia, P., et al. . . . .   | 1   |
| Burgers, G.J.H., see Berends, F.A., et al. . . . .  | 247 |
| Burnstein, R.A., see Brick, D.H., et al. . . . .  | 19  |
| Büsser, F.W., see Bergsma, F., et al. . . . .   | 217 |
| Buzulutskov, A.F., see Abramov, V.V., et al. . . . .  | 205 |
| Calimani, E., see Allasia, D., et al. . . . .   | 119 |
| Capiluppi, P., see Allasia, D., et al. . . . .  | 119 |
| Capone, A., see Bergsma, F., et al. . . . .   | 217 |
| Carminati, F., see Brick, D.H., et al. . . . .  | 19  |
| Cartwright, S.L., see Bartel, W., et al. . . . .  | 223 |
| Cartwright, S.L., see Bartel, W., et al. . . . .  | 231 |
| Casali, R., see Allasia, D., et al. . . . .   | 119 |
| Çelik, T., Miller, D.E.: Thermodynamic Properties of a Relativistic Fermi System with a Bose Condensate at Finite Temperature . . . . .   | 59  |
| Cenci, P., see Bagnaia, P., et al. . . . .  | 1   |
| Cerrada, M., see Bailey, R., et al. . . . .   | 111 |
| Chabaud, V., see Bailey, R., et al. . . . .   | 111 |
| Cheng, H.Y.: A Note on the Peccei-Quinn Symmetry . . . . .  | 93  |
| Chien, C.Y., see Brick, D.H., et al. . . . .  | 19  |
| Chikawa, M., see Noguchi, S., et al. . . . .  | 297 |
| Chollet, J.-C., see Bagnaia, P., et al. . . . .   | 1   |
| Chrin, J., see Bartel, W., et al. . . . .   | 223 |
| Chrin, J., see Bartel, W., et al. . . . .   | 231 |
| Ciampolillo, S., see Allasia, D., et al. . . . .  | 119 |
| Clark, A.G., see Bagnaia, P., et al. . . . .  | 1   |
| Clarke, D., see Bartel, W., et al. . . . .  | 223 |
| Clarke, D., see Bartel, W., et al. . . . .  | 231 |
| Cohn, H.O., see Brick, D.H., et al. . . . .   | 19  |
| Condo, G.T., see Brick, D.H., et al. . . . .  | 19  |
| Conta, C., see Bagnaia, P., et al. . . . .  | 1   |
| Cords, D., see Bartel, W., et al. . . . .   | 223 |
| Cords, D., see Bartel, W., et al. . . . .   | 231 |
| Craigie, N.S.: A Derivation of the $U(1)$ Radial Schwinger Model Action Used in the Analysis of Monopole Induced Fermion Number Violating Processes . . . . .   | 189 |
| Crijns, F., see Brick, D.H., et al. . . . .   | 19  |
| Dado, S., see Brick, D.H., et al. . . . .   | 19  |
| Dahmen, H.D., see Bopp, F.W., et al. . . . .  | 367 |
| Dam, H. van, see Berends, F.A., et al. . . . .  | 247 |
| Dam, P. van, see Allasia, D., et al. . . . .  | 119 |
| Damerell, C., see Bailey, R., et al. . . . .  | 111 |
| Darriulat, P., see Bagnaia, P., et al. . . . .  | 1   |
| Daum, C., see Bailey, R., et al. . . . .  | 111 |
| Daumann, H., see Bergsma, F., et al. . . . .  | 217 |
| Davies, C.T.H., Webber, B.R.: Transverse Hadronic Energy Emission in Hard Scattering Processes . . . . .  | 133 |
| Denisov, S.P., see Antipov, Yu.M., et al. . . . .   | 39  |
| Derkaoui, J., see Allasia, D., et al. . . . .   | 119 |
| Desai, B.R., Sukhatme, U.P.: A low $P_T$ Parton Fragmentation Model with Diffractive Resonance Production: The $pp \rightarrow (\pi^\pm, K^\pm) + X$ Inclusive Reactions . . . . .  | 277 |
| Dieckmann, A., see Bartel, W., et al. . . . .   | 223 |
| Dieckmann, A., see Bartel, W., et al. . . . .   | 231 |
| Diemoz, M., see Bergsma, F., et al. . . . .   | 217 |
| Dietrich, G., see Bartel, W., et al. . . . .  | 223 |
| Dietrich, G., see Bartel, W., et al. . . . .  | 231 |
| Dijkstra, H., see Bailey, R., et al. . . . .  | 111 |
| DiLella, L., see Bagnaia, P., et al. . . . .  | 1   |
| DiMarco, R., see Brick, D.H., et al. . . . .  | 19  |
| Dines-Hansen, J., see Bagnaia, P., et al. . . . .   | 1   |
| Dolfini, R., see Brick, D.H., et al. . . . .  | 19  |
| Dore, U., see Bergsma, F., et al. . . . .   | 217 |
| Dorenbosch, J., see Bergsma, F., et al. . . . .   | 217 |
| Doroba, K., Drijard, D., Fischer, H.G., Frehse, H., Geist, W., Gokieli, R., Hanke, P., Heiden, M., Herr, W., Hofmann, W., Innocenti, P.G., Kluge, E.E., Lamsa, J.W., Lohse, T., Meyer, W.T., Mornacchi, G., Nakada, T., Panter, M., Putzer, A., Rauschnabel, K., Sosnowski, R., Spengler, J., Ullaland, O., Wegener, D.: Associated $\pi_0$ Production in Events with a Particle of High Transverse Momentum at $\sqrt{s} = 63$ GeV . . . . .   | 31  |
| Dorsaz, P.A., see Bagnaia, P., et al. . . . .   | 1   |
| Douiri, A., see Aurenche, P., et al. . . . .  | 309 |
| Drijard, D., see Doroba, K., et al. . . . .   | 31  |
| Drouffe, J.-M., Moriarty, K.J.M.: $U(2)$ Four-Dimensional Simplicial Lattice Gauge Theory . . . . .   | 395 |
| Duerdath, I.P., see Bartel, W., et al. . . . .  | 223 |
| Duerdath, I.P., see Bartel, W., et al. . . . .  | 231 |
| Dwurazny, A., see Bailey, R., et al. . . . .  | 111 |
| Dyshkant, A.S., see Abramov, V.V., et al. . . . .   | 205 |
| Ecker, G.: Generalized Permutation Symmetry and the Flavour Problem in $SU(2)_L \times U(1)$ . . . . .  | 353 |
| Efimov, A.O., see Abramov, V.V., et al. . . . .   | 205 |
| Eisenberg, Y., see Brick, D.H., et al. . . . .  | 19  |
| Ekspog, G., see Lemonne, J., et al. . . . .   | 103 |
| Elsen, E., see Bartel, W., et al. . . . .   | 223 |
| Elsen, E., see Bartel, W., et al. . . . .   | 231 |
| Elze, H.-T., Greiner, W., Rafelski, J.: Color Degrees of Freedom in a Quark-Gluon Plasma at Finite Baryon Density . . . . .   | 361 |
| Engelmann, R., see Bagnaia, P., et al. . . . .  | 1   |
| Estruch, J.A., see Lemonne, J., et al. . . . .  | 103 |
| Evdokimov, V.N., see Abramov, V.V., et al. . . . .  | 205 |
| Faccini-Turluer, M.L., see Allasia, D., et al. . . . .  | 119 |
| Fantechi, R., see Allasia, D., et al. . . . .   | 119 |
| Fayard, L., see Bagnaia, P., et al. . . . .   | 1   |
| Felst, R., see Bartel, W., et al. . . . .   | 223 |
| Felst, R., see Bartel, W., et al. . . . .   | 231 |
| Ferroni, F., see Bergsma, F., et al. . . . .  | 217 |
| Finch, A., see Bartel, W., et al. . . . .   | 223 |
| Finch, A., see Bartel, W., et al. . . . .   | 231 |
| Fischer, H.G., see Doroba, K., et al. . . . .   | 31  |
| Flaminio, V., see Allasia, D., et al. . . . .   | 119 |
| Flegel, W., see Bergsma, F., et al. . . . .   | 217 |
| Fontannaz, M., see Aurenche, P., et al. . . . .   | 309 |
| Foster, F., see Bartel, W., et al. . . . .  | 223 |
| Foster, F., see Bartel, W., et al. . . . .  | 231 |
| Frank, T.A.J., see Brick, D.H., et al. . . . .  | 19  |
| Fraternali, M., see Bagnaia, P., et al. . . . .   | 1   |
| Frehse, H., see Doroba, K., et al. . . . .  | 31  |
| Frodesen, A.G., see Allasia, D., et al. . . . .   | 119 |
| Froidevaux, D., see Bagnaia, P., et al. . . . .   | 1   |

|  |     |   |     |   |     |
|--|-----|---|-----|---|-----|
| Fujiwara, N., see Noguchi, S., et al. . . . .  | 297 | Huang, D., see Brick, D.H., et al. . . . .  | 19  | Inelastic Scattering Structure Functions  |     |
| Fukawa, M., see Noguchi, S., et al. . . . .  | 297 | Hughes, G., see Bartel, W., et al. . . . .  | 223 | Within and Beyond Perturbative QCD  | 53  |
| Fumagalli, G., see Bagnaia, P., et al. . . . .   | 1   | Hughes, G., see Bartel, W., et al. . . . .  | 231 | Lamsa, J.W., see Doroba, K., et al. . . . .   | 31  |
| Gaillard, J.-M., see Bagnaia, P., et al. . . . .   | 1   | Hulsizer, R.I., see Brick, D.H., et al. . . . .   | 19  | Langon, E., see Bagnaia, P., et al. . . . .   | 1   |
| Gall, P.D., see Bergsma, F., et al. . . . .  | 217 | Hungerbühler, V., see Bagnaia, P., et al. . . . .   | 1   | Lanceri, L., see Bergsma, F., et al. . . . .  | 217 |
| Gamba, D., see Allasia, D., et al. . . . .   | 119 | Huhtinen, J., see Bartel, W., et al. . . . .  | 223 | Laurikainen, P., see Bartel, W., et al. . . . .   | 223 |
| Geist, W., see Doroba, K., et al. . . . .  | 31  | Huzita, H., see Allasia, D., et al. . . . .   | 119 | Laurikainen, P., see Bartel, W., et al. . . . .   | 231 |
| Gemanov, V., see Bergsma, F., et al. . . . .   | 217 | Hyams, B.D., see Bailey, R., et al. . . . .   | 111 | Lebedev, A.A., see Antipov, Yu.M., et al. . . . .   | 39  |
| Gershtein, S.S., Likhoded, A.A., Prokoshkin, Yu.D.: <i>G(1590)</i> -Meson and Possible Characteristic Features of a Glueball | 305 | Innocenti, P.G., see Doroba, K., et al. . . . .   | 31  | Lemonne, J., Vanhomwegen, G., Wickens, J., Hagman, V.M., Keski-Kuha, P., Tuominen, J., Valtonen, K., Estruch, J.A., Mason, P., Baland, J.F., Poirat, C., Ekspong, G., Sellden, B., Szilly, L., Yamdagni, N., Bogoljubsky, M., Ivanova, N., Moiseev, A., Ukhonov, M.: Inclusive Production of Neutral Strange Particles in $\bar{p}p$ Interactions at 70 GeV/c | 103 |
| Giacomelli, G., see Allasia, D., et al. . . . .  | 119 | Introzzi, G., see Ratti, S.P., et al. . . . .   | 171 | Lennert, P., see Bartel, W., et al. . . . .   | 223 |
| Gildemeister, O., see Bagnaia, P., et al. . . . .  | 1   | Ivanova, N., see Lemonne, J., et al. . . . .  | 103 | Lennert, P., see Bartel, W., et al. . . . .   | 231 |
| Gillman, A., see Bailey, R., et al. . . . .  | 111 | Jacques, P.F., see Brick, D.H., et al. . . . .  | 19  | Lesceux, J.M., see Brick, D.H., et al. . . . .  | 19  |
| Gillmore, R., see Bailey, R., et al. . . . .   | 111 | Jenni, P., see Bagnaia, P., et al. . . . .  | 1   | Levy, A., see Brick, D.H., et al. . . . .   | 19  |
| Glasser, R.G., see Bartel, W., et al. . . . .  | 223 | Jongejans, B., see Allasia, D., et al. . . . .  | 119 | Likhoded, A.A., see Gershtein, S.S., et al. . . . .   | 305 |
| Glasser, R.G., see Bartel, W., et al. . . . .  | 231 | Jonker, M., see Bergsma, F., et al. . . . .   | 217 | Lindfors, J., Roy, D.P.: Weak Versus Strong Production of Top Flavor at the Proton - Antiproton Collider  | 271 |
| Glebov, V.Yu., see Abramov, V.V., et al. . . . .   | 205 | Junge, H., see Bartel, W., et al. . . . .   | 223 | Lippi, I., see Allasia, D., et al. . . . .  | 119 |
| Glendinning, I., see Bartel, W., et al. . . . .  | 231 | Kado, H., see Bartel, W., et al. . . . .  | 231 | Livan, M., see Bagnaia, P., et al. . . . .  | 1   |
| Goggi, V.G., see Bagnaia, P., et al. . . . .   | 1   | Kado, H., see Bartel, W., et al. . . . .  | 231 | Loebinger, F.K., see Bartel, W., et al. . . . .   | 223 |
| Gokiel, R., see Doroba, K., et al. . . . .   | 31  | Kaftanov, V., see Bergsma, F., et al. . . . .   | 217 | Loebinger, F.K., see Bartel, W., et al. . . . .   | 231 |
| Goldberg, J., see Brick, D.H., et al. . . . .  | 19  | Kalekar, M., see Brick, D.H., et al. . . . .  | 19  | Lohse, T., see Doroba, K., et al. . . . .   | 31  |
| Gorbunov, P., see Bergsma, F., et al. . . . .  | 217 | Kanzaki, J., see Bartel, W., et al. . . . .   | 223 | Longo, E., see Bergsma, F., et al. . . . .  | 217 |
| Gorin, Yu.P., see Antipov, Yu.M., et al. . . . .   | 39  | Kanzaki, J., see Bartel, W., et al. . . . .   | 231 | Loret, M., see Allasia, D., et al. . . . .  | 119 |
| Görlich, L., see Bailey, R., et al. . . . .  | 111 | Karshon, U., see Brick, D.H., et al. . . . .  | 19  | Loucatos, S., see Bagnaia, P., et al. . . . .   | 1   |
| Gössling, C., see Bagnaia, P., et al. . . . .  | 1   | Kauffmann, S.K., Rafelski, J.: Analytic Study of a Sequence of Path Integral Approximations for Simple Quantum Systems at Low Temperature | 175 | Loudec, C., see Allasia, D., et al. . . . .   | 119 |
| Gounaris, G.J., Tamvakis, K.: Baryon Number Non-Conservation as a Low-Scale Phenomenon                                       | 261 | Kawaguchi, M., see Kitazoe, T., et al. . . . .  | 143 | Lucas, P., see Brick, D.H., et al. . . . .  | 19  |
| Grard, F., see Brick, D.H., et al. . . . .   | 19  | Kawamoto, T., see Bartel, W., et al. . . . .  | 223 | Ludlam, T., see Brick, D.H., et al. . . . .   | 19  |
| Greiner, W., see Elze, H.-T., et al. . . . .   | 361 | Kawamoto, T., see Bartel, W., et al. . . . .  | 231 | Luminari, L., see Bergsma, F., et al. . . . .   | 217 |
| Grigoriev, E., see Bergsma, F., et al. . . . .   | 217 | Keski-Kuha, P., see Lemonne, J., et al. . . . .   | 103 | Lütjens, G., see Bailey, R., et al. . . . .   | 111 |
| Grunhaus, J., see Brick, D.H., et al. . . . .  | 19  | Khovansky, V., see Bergsma, F., et al. . . . .  | 217 | Lutz, G., see Bailey, R., et al. . . . .  | 111 |
| Hahn, B., see Bagnaia, P., et al. . . . .  | 103 | Kichimi, H., see Noguchi, S., et al. . . . .  | 297 | Lutz, P., see Brick, D.H., et al. . . . .   | 19  |
| Haidt, D., see Bartel, W., et al. . . . .  | 223 | Kistiakowsky, V., see Brick, D.H., et al. . . . .   | 19  | Macbeth, A.A., see Bartel, W., et al. . . . .   | 223 |
| Haidt, D., see Bartel, W., et al. . . . .  | 231 | Kitazoe, T., Wada, M., Kaburagi, M., Kawaguchi, M., Morii, T., Oka, M.: Spectroscopy of $Q\bar{Q}g$ Hybrid Mesons                         | 143 | Macbeth, A.A., see Bartel, W., et al. . . . .   | 231 |
| Hajduk, Z., see Bailey, R., et al. . . . .   | 111 | Kittel, W., see Brick, D.H., et al. . . . .   | 19  | MacNaughton, J., see Noguchi, S., et al. . . . .  | 297 |
| Handler, T., see Brick, D.H., et al. . . . .   | 19  | Klanner, R., see Bailey, R., et al. . . . .   | 111 | Madsen, B., see Bagnaia, P., et al. . . . .   | 1   |
| Hanke, P., see Doroba, K., et al. . . . .  | 31  | Klein, M., Riemann, T.: Electroweak Interactions Probing the Nucleon Structure  | 151 | Malos, J., see Bailey, R., et al. . . . .   | 111 |
| Hänni, H., see Bagnaia, P., et al. . . . .   | 1   | Klimenko, S.V., see Antipov, Yu.M., et al. . . . .  | 39  | Mandrioli, G., see Allasia, D., et al. . . . .  | 119 |
| Hansen, J.R., see Bagnaia, P., et al. . . . .  | 1   | Kluge, E.E., see Doroba, K., et al. . . . .   | 31  | Mani, P., see Bagnaia, P., et al. . . . .   | 1   |
| Hansen, P., see Bagnaia, P., et al. . . . .  | 1   | Knies, G., see Bartel, W., et al. . . . .   | 223 | Männer, W., see Bailey, R., et al. . . . .  | 111 |
| Hanton, J., see Brick, D.H., et al. . . . .  | 19  | Knies, G., see Bartel, W., et al. . . . .   | 231 | Mansoulié, B., see Bagnaia, P., et al. . . . .  | 1   |
| Hardwick, C., see Bailey, R., et al. . . . .   | 111 | Kobayashi, T., see Bartel, W., et al. . . . .   | 223 | Mantovani, G.C., see Bagnaia, P., et al. . . . .  | 1   |
| Haridas, P., see Brick, D.H., et al. . . . .   | 19  | Kobayashi, T., see Bartel, W., et al. . . . .   | 231 | Mapelli, L., see Bagnaia, P., et al. . . . .  | 1   |
| Harnow, N., see Bagnaia, P., et al. . . . .  | 1   | Kofoed-Hansen, O., see Bagnaia, P., et al. . . . .  | 1   | Marshall, R., see Bartel, W., et al. . . . .  | 223 |
| Hart, E.L., see Brick, D.H., et al. . . . .  | 19  | Kohriki, E., see Noguchi, S., et al. . . . .  | 297 | Marshall, R., see Bartel, W., et al. . . . .  | 231 |
| Hebbeker, T., see Bergsma, F., et al. . . . .  | 217 | Koller, E.L., see Brick, D.H., et al. . . . .   | 19  | Martin, B.R., see Barker, I.S. . . . .  | 255 |
| Heiden, M., see Doroba, K., et al. . . . .   | 31  | Komamiya, S., see Bartel, W., et al. . . . .  | 223 | Marzari-Chiesa, A., see Allasia, D., et al. . . . .   | 119 |
| Heifetz, R., see Brick, D.H., et al. . . . .   | 19  | Komamiya, S., see Bartel, W., et al. . . . .  | 231 | Mason, P., see Lemonne, J., et al. . . . .  | 103 |
| Heintze, J., see Bartel, W., et al. . . . .  | 223 | Koshiba, M., see Bartel, W., et al. . . . .   | 223 | Matsumura, H., see Bartel, W., et al. . . . .   | 223 |
| Heintze, J., see Bartel, W., et al. . . . .  | 231 | Koshiba, M., see Bartel, W., et al. . . . .   | 231 | Matsumura, H., see Bartel, W., et al. . . . .   | 231 |
| Heinzelmann, G., see Bartel, W., et al. . . . .  | 223 | Kotov, I.V., see Antipov, Yu.M., et al. . . . .   | 39  | McCann, H., see Bartel, W., et al. . . . .  | 223 |
| Heinzelmann, G., see Bartel, W., et al. . . . .  | 231 | Krehbiel, H., see Bartel, W., et al. . . . .  | 223 | McCann, H., see Bartel, W., et al. . . . .  | 231 |
| Hellenbrand, K.H., see Bartel, W., et al. . . . .  | 223 | Krehbiel, H., see Bartel, W., et al. . . . .  | 231 | Meier, K., see Bartel, W., et al. . . . .   | 223 |
| Hellenbrand, K.H., see Bartel, W., et al. . . . .  | 231 | Krinitsin, A.N., see Abramov, V.V., et al. . . . .  | 205 | Meier, K., see Bartel, W., et al. . . . .   | 231 |
| Henri, V., see Brick, D.H., et al. . . . .   | 19  | Krogh, J. von, see Bartel, W., et al. . . . .   | 223 | Meinke, R., see Bartel, W., et al. . . . .  | 223 |
| Herquet, P., see Brick, D.H., et al. . . . .   | 19  | Krogh, J. von, see Bartel, W., et al. . . . .   | 231 | Meinke, R., see Bartel, W., et al. . . . .  | 231 |
| Herr, W., see Doroba, K., et al. . . . .   | 31  | Kryshkin, V.I., see Abramov, V.V., et al. . . . .   | 205 | Mendes, R.V.: Reconstruction of Dynamics from the Vacuum in Lattice Theories  | 45  |
| Heuer, R.D., see Bartel, W., et al. . . . .  | 223 | Kul'man, N.Yu., see Abramov, V.V., et al. . . . .   | 205 | Merkel, B., see Bagnaia, P., et al. . . . .   | 1   |
| Heuer, R.D., see Bartel, W., et al. . . . .  | 231 | Kusumoto, O., see Noguchi, S., et al. . . . .   | 297 |   |     |
| Himel, T., see Bagnaia, P., et al. . . . .   | 1   | Kwiciński, J.: Small $x$ Behaviour of Deep  |     |   |     |
| Hofmann, W., see Doroba, K., et al. . . . .  | 31  |   |     |   |     |
| Hoogland, W., see Bailey, R., et al. . . . .   | 111 |   |     |   |     |



|   |     |  |     |  |     |
|---|-----|--|-----|--|-----|
| Metcalf, M., see Bergsma, F., et al. . . . .  | 217 | Gauge Theories: Symmetric Fields and Harmonic Expansion . . . . .  | 195 | the Complex Grassmannian and $CP^{N-1}$ Sigma Models . . . . .   | 163 |
| Metzger, W., see Brick, D.H., et al. . . . .  | 19  | Panman, J., see Bergsma, F., et al. . . . .  | 217 | Sato, A., see Bartel, W., et al. . . . .   | 223 |
| Meyer, W.T., see Doroba, K., et al. . . . .   | 31  | Panther, M., see Doroba, K., et al. . . . .  | 31  | Sato, A., see Bartel, W., et al. . . . .   | 231 |
| Miller, D.E., see Celik, T. . . . .   | 59  | Parrou, G., see Bagnaia, P., et al. . . . .  | 1   | Sato, T., see Noguchi, S., et al. . . . .  | 297 |
| Mills, H.E., see Bartel, W., et al. . . . .   | 223 | Pastore, F., see Bagnaia, P., et al. . . . .   | 1   | Sauvage, G., see Bagnaia, P., et al. . . . .   | 1   |
| Mills, H.E., see Bartel, W., et al. . . . .   | 231 | Pazzi, R., see Allasia, D., et al. . . . .   | 119 | Schacher, J., see Bagnaia, P., et al. . . . .  | 1   |
| Minowa, M., see Bartel, W., et al. . . . .  | 223 | Petersen, A., see Bartel, W., et al. . . . .   | 223 | Schiff, D., see Aurenche, P., et al. . . . .   | 309 |
| Minowa, M., see Bartel, W., et al. . . . .  | 231 | Petersen, A., see Bartel, W., et al. . . . .   | 231 | Schiller, D.H., see Bopp, F.W., et al. . . . .   | 367 |
| Miyano, K., see Noguchi, S., et al. . . . .   | 297 | Petri, C., see Allasia, D., et al. . . . .   | 119 | Schmidt, D., see Bartel, W., et al. . . . .  | 223 |
| Moiseev, A., see Lemonne, J., et al. . . . .  | 103 | Petrushin, A.I., see Antipov, Yu.M., et al. . . . .  | 39  | Schmidt, D., see Bartel, W., et al. . . . .  | 231 |
| Möllerud, R., see Bagnaia, P., et al. . . . .   | 1   | Pevsner, A., see Brick, D.H., et al. . . . .   | 19  | Schneekloth, U., see Bartel, W., et al. . . . .  | 223 |
| Monacelli, P., see Bergsma, F., et al. . . . .  | 217 | Pietarinen, E., see Bartel, W., et al. . . . .   | 223 | Schneekloth, U., see Bartel, W., et al. . . . .  | 231 |
| Moriarty, K.J.M., see Drouffe, J.-M. . . . .  | 395 | Pietarinen, E., see Bartel, W., et al. . . . .   | 231 | Schouten, M., see Brick, D.H., et al. . . . .  | 19  |
| Morii, T., see Kitazoe, T., et al. . . . .  | 143 | Pilette, P., see Brick, D.H., et al. . . . .   | 19  | Schütt, P., see Bergsma, F., et al. . . . .  | 217 |
| Mornacchi, G., see Doroba, K., et al. . . . .   | 31  | Plano, R.J., see Brick, D.H., et al. . . . .   | 19  | Sconza, A., see Allasia, D., et al. . . . .  | 119 |
| Müller, M.: Superspace Formulation of $N=2$ Supergravity . . . . .  | 175 | Pless, I.A., see Brick, D.H., et al. . . . .   | 19  | Schiff-Zorn, B., see Bagnaia, P., et al. . . . .   | 223 |
| Murphy, P.G., see Bartel, W., et al. . . . .  | 223 | Plathow-Besch, H., see Bagnaia, P., et al. . . . .   | 1   | Seeburner, H.J., see Bailey, R., et al. . . . .  | 111 |
| Murphy, P.G., see Bartel, W., et al. . . . .  | 231 | Plunkett, R., see Bergsma, F., et al. . . . .  | 217 | Seldén, B., see Lemonne, J., et al. . . . .  | 103 |
| Mutaphyan, M.I., see Abramov, V.V., et al. . . . .  | 205 | Podstavkov, V.M., see Abramov, V.V., et al. . . . .  | 205 | Serra-Lugaresi, P., see Allasia, D., et al. . . . .  | 119 |
| Nachtmann, O., Reiter, A.: The Vacuum Structure in QCD and Hadron-Hadron Scattering . . . . .   | 283 | Poirer, C., see Lemonne, J., et al. . . . .  | 103 | Shapira, A., see Brick, D.H., et al. . . . .   | 19  |
| Nakada, T., see Doroba, K., et al. . . . .  | 31  | Polok, G., see Bailey, R., et al. . . . .  | 111 | Shapiro, A.M., see Brick, D.H., et al. . . . .   | 19  |
| Nakamura, E.R., see Ratti, S.P., et al. . . . .   | 171 | Polovnikov, S.A., see Antipov, Yu.M., et al. . . . .   | 39  | Siegrist, J.L., see Bagnaia, P., et al. . . . .  | 1   |
| Nappi, A., see Allasia, D., et al. . . . .  | 119 | Pols, C., see Brick, D.H., et al. . . . .  | 19  | Skagerstam, B.-S.: On the Large $N_c$ Limit of the $SU(N_c)$ Colour Quark - Gluon Partition Function . . . . . | 97  |
| Naroska, B., see Bartel, W., et al. . . . .   | 223 | Polverel, M., see Bagnaia, P., et al. . . . .  | 1   | Skard, J.A., see Bartel, W., et al. . . . .  | 231 |
| Naroska, B., see Bartel, W., et al. . . . .   | 231 | Prokoshkin, Yu.D., see Gershtein, S.S., et al. . . . .   | 305 | Skard, J.A., see Bartel, W., et al. . . . .  | 223 |
| Neale, W.F., see Brick, D.H., et al. . . . .  | 19  | Putzer, A., see Doroba, K., et al. . . . .   | 31  | Smith, A.W.: Torsion and Curvature in Higher Dimensional Supergravity Theories . . . . .                       | 85  |
| Niebergall, F., see Bergsma, F., et al. . . . .   | 217 | Rafelski, J., see Elze, H.-T., et al. . . . .  | 361 | Sosnowski, R., see Doroba, K., et al. . . . .  | 31  |
| Nieuwenhuis, C., see Bergsma, F., et al. . . . .  | 217 | Rafelski, J., see Kaufmann, S.K. . . . .   | 175 | Spengler, J., see Doroba, K., et al. . . . .   | 31  |
| Nilsson, B., see Bagnaia, P., et al. . . . .  | 1   | Ramello, L., see Allasia, D., et al. . . . .   | 119 | Spierenburg, W., see Bailey, R., et al. . . . .  | 111 |
| Noguchi, S., Fujiwara, N., Chikawa, M., Fukawa, M., Kichimi, H., Kohriki, E., Kusumoto, O., MacNaughton, J., Miyano, K., Noguchi, Y., Ochiai, F., Okusawa, T., Ono, A., Sato, T., Sugahara, R., Suzuki, A., Takahashi, K., Yamashita, S., Yoshimura, Y.: Inclusive $A$ Production in $\bar{p}p$ Interactions at 3.0, 3.5, 4.0 and 4.5 GeV/c . . . . . | 297 | Ratti, S., see Brick, D.H., et al. . . . .   | 19  | Spitzer, J., see Bartel, W., et al. . . . .  | 223 |
| Noguchi, Y., see Noguchi, S., et al. . . . .  | 297 | Ratti, S.P., Nakamura, E.R., Introzzi, G.: Behaviour of Semi-Inclusive Sphericity Distributions and a Two-Component Uncorrelated Cascade Model . . . . . | 171 | Spitzer, J., see Bartel, W., et al. . . . .  | 231 |
| Notaristefani, F. de, see Bergsma, F., et al. . . . .   | 217 | Rauschnabel, K., see Doroba, K., et al. . . . .  | 31  | Stähelin, P., see Bergsma, F., et al. . . . .  | 217 |
| Nozaki, M., see Bartel, W., et al. . . . .  | 223 | Reiter, A., see Nachtmann, O. . . . .  | 283 | Stamer, P.E., see Brick, D.H., et al. . . . .  | 19  |
| Nozaki, M., see Bartel, W., et al. . . . .  | 231 | Renard, F.M.: Substructures at $e^+e^-$ Colliders . . . . .  | 385 | Steffen, P., see Bartel, W., et al. . . . .  | 223 |
| Nozaki, T., see Bartel, W., et al. . . . .  | 223 | Repellin, J.-P., see Bagnaia, P., et al. . . . .   | 1   | Steffen, P., see Bartel, W., et al. . . . .  | 231 |
| Nozaki, T., see Bartel, W., et al. . . . .  | 231 | Riccatti, L., see Allasia, D., et al. . . . .  | 119 | Steiner, R., see Brick, D.H., et al. . . . .   | 19  |
| Nye, J., see Bartel, W., et al. . . . .   | 223 | Riemann, T., see Klein, M. . . . .   | 151 | Stephens, K., see Bartel, W., et al. . . . .   | 223 |
| Nye, J., see Bartel, W., et al. . . . .   | 231 | Rieseberg, H., see Bartel, W., et al. . . . .  | 223 | Stephens, K., see Bartel, W., et al. . . . .   | 231 |
| Ochiai, F., see Noguchi, S., et al. . . . .   | 297 | Rieseberg, H., see Bartel, W., et al. . . . .  | 231 | Stevenson, P.M.: On the Physics of $\phi^4$ in $3+1$ Dimensions . . . . .                                      | 87  |
| Oh, S.H., see Brick, D.H., et al. . . . .   | 19  | Rijk, G. de, see Bailey, R., et al. . . . .  | 111 | Stierlin, U., see Bailey, R., et al. . . . .   | 111 |
| Ohta, N.: Supersymmetric Nonlinear Sigma Models Constrained on Non-Compact Manifold . . . . .   | 327 | Rimoldi, A., see Bagnaia, P., et al. . . . .   | 1   | Stimpfl, G., see Bagnaia, P., et al. . . . .   | 1   |
| Oka, M., see Kitazoe, T., et al. . . . .  | 143 | Rogers, A.H., see Brick, D.H., et al. . . . .  | 19  | Stocker, F., see Bagnaia, P., et al. . . . .   | 1   |
| Okusawa, T., see Noguchi, S., et al. . . . .  | 297 | Roinishvili, V.N., see Antipov, Yu.M., et al. . . . .  | 39  | Stoughton, T.B., see Brick, D.H., et al. . . . .   | 19  |
| Olsson, J., see Bartel, W., et al. . . . .  | 223 | Romão, J.C.: $D=1+2$ Phase Diagram for $Z_N$ with a Variational Method . . . . .   | 339 | Stoyanova, D.A., see Antipov, Yu.M., et al. . . . .  | 39  |
| Olsson, J., see Bartel, W., et al. . . . .  | 231 | Romero, A., see Allasia, D., et al. . . . .  | 119 | Stupperich, K.: A Comparison of the Lund and Hoyer et al. Fragmentation Models . . . . .                       | 347 |
| Onions, C., see Bagnaia, P., et al. . . . .   | 1   | Rosano, A., see Bergsma, F., et al. . . . .  | 217 | Suchorebrow, V., see Brick, D.H., et al. . . . .   | 19  |
| Ono, A., see Noguchi, S., et al. . . . .  | 297 | Rossi, A.M., see Allasia, D., et al. . . . .   | 119 | Sugahara, R., see Noguchi, S., et al. . . . .  | 297 |
| Orito, S., see Bartel, W., et al. . . . .   | 223 | Rothenberg, A., see Bagnaia, P., et al. . . . .  | 1   | Sukhatme, U.P., see Desai, B.R. . . . .  | 277 |
| Orito, S., see Bartel, W., et al. . . . .   | 231 | Roussarie, A., see Bagnaia, P., et al. . . . .   | 1   | Sulyav, R.M., see Abramov, V.V., et al. . . . .  | 205 |
| Pakvasa, S., Trampetic, J.: $\Delta T=3/2$ Amplitudes of Nonleptonic Hyperon Decays . . . . .   | 381 | Rowe, P., see Bartel, W., et al. . . . .   | 231 | Suzuki, A., see Noguchi, S., et al. . . . .  | 297 |
| Palla, L.: On Dimensional Reduction of  |     | Roy, D.P., see Lindfors, J. . . . .  | 271 | Swartz, M., see Bagnaia, P., et al. . . . .  | 1   |

|  |     |  |     |  |     |
|--|-----|--|-----|--|-----|
| Tapper, R.J., see Bailey, R., et al. . . . .   | 111 | Vignaud, D., see Allasia, D., et al. . . . .       | 119 | Windmolders, R., see Brick, D.H., et al. . . . .   | 19  |
| Taylor, S., see Brick, D.H., et al. . . . .  | 19  | Vrazhnov, Yu.N., see Abramov, V.V., et al. . . . . | 205 | Winter, K., see Bergsma, F., et al. . . . .  | 217 |
| Teiger, J., see Bagnaia, P., et al. . . . .  | 1   | Wada, M., see Kitazoe, T., et al. . . . .          | 143 | Wu, Y., see Brick, D.H., et al. . . . .  | 19  |
| Tenner, A., see Allasia, D., et al. . . . .  | 119 | Wagner, A., see Bartel, W., et al. . . . .         | 223 | Wylie, A., see Bailey, R., et al. . . . .  | 111 |
| Tether, S., see Brick, D.H., et al. . . . .  | 19  | Wagner, A., see Bartel, W., et al. . . . .         | 231 | Yamada, S., see Bartel, W., et al. . . . .   | 223 |
| Tiecke, H.G., see Bailey, R., et al. . . . .   | 111 | Wagner, S., see Bartel, W., et al. . . . .         | 223 | Yamada, S., see Bartel, W., et al. . . . .   | 231 |
| Toaff, S., see Brick, D.H., et al. . . . .   | 19  | Wagner, S.R., see Bartel, W., et al. . . . .       | 231 | Yamamoto, R.K., see Brick, D.H., et al. . . . .  | 19  |
| Tortora, L., see Bergsma, F., et al. . . . .   | 217 | Wöhner, D., see Bopp, F.W., et al. . . . .         | 367 | Yamashita, S., see Noguchi, S., et al. . . . .   | 297 |
| Totsuka, Y., see Bartel, W., et al. . . . .  | 223 | Walle, R. Van de, see Brick, D.H., et al. . . . .  | 19  | Yamdagni, N., see Lemonne, J., et al. . . . .  | 103 |
| Totsuka, Y., see Bartel, W., et al. . . . .  | 231 | Waltermann, G., see Bailey, R., et al. . . . .     | 111 | Yoshimura, Y., see Noguchi, S., et al. . . . .   | 297 |
| Tovey, S., see Bagnaia, P., et al. . . . .   | 1   | Ward, D.R., see Brick, D.H., et al. . . . .        | 19  | Yoshino, T., Hagiwara, K.: Heavy Quark<br>Threshold Effects in Two-loop Order in<br>Quantum Chromodynamics . . . . . | 185 |
| Trampetic, J., see Pakvasa, S. . . . .   | 381 | Warming, P., see Bartel, W., et al. . . . .        | 223 | Zaccone, H., see Bagnaia, P., et al. . . . .   | 1   |
| Trepagnier, P.C., see Brick, D.H., et al. . . . .                                      | 19  | Warming, P., see Bartel, W., et al. . . . .        | 231 | Zachara, M., see Bartel, W., et al. . . . .  | 223 |
| Trincherio, R.C.: Mean Field Analysis of a<br>$Z_2$ -Asymmetric Gauge Theory . . . . . | 65  | Watts, T.L., see Brick, D.H., et al. . . . .       | 19  | Zachara, M., see Bartel, W., et al. . . . .  | 231 |
| Trincherio, R.C.: Mean Field Approach to<br>Finite Temperature Gauge Systems . . . . . | 75  | Webber, B.R., see Davies, C.T.H. . . . .           | 133 | Zakrzewski, J.A., see Bagnaia, P., et al. . . . .  | 1   |
| Tuominiemi, J., see Lemonne, J., et al. . . . .  | 103 | Weber, G., see Bartel, W., et al. . . . .          | 223 | Zeller, W., see Bagnaia, P., et al. . . . .  | 1   |
| Turala, M., see Bailey, R., et al. . . . .   | 111 | Weber, G., see Bartel, W., et al. . . . .          | 231 | Zeludziejewicz, T., see Bailey, R., et al. . . . .   | 111 |
| Turchanovich, L.K., see Abramov, V.V., et<br>al. . . . .                               | 205 | Wegener, D., see Doroba, K., et al. . . . .        | 31  | Zmushko, V.V., see Abramov, V.V., et al. . . . .   | 205 |
| Ukhanov, M., see Lemonne, J., et al. . . . .   | 103 | Weidberg, A.R., see Bagnaia, P., et al. . . . .    | 1   | Zorn, G.T., see Bartel, W., et al. . . . .   | 223 |
| Ullaland, O., see Doroba, K., et al. . . . .   | 31  | Whittaker, J.B., see Bartel, W., et al. . . . .    | 223 | Zorn, G.T., see Bartel, W., et al. . . . .   | 231 |
| Valente, V., see Bergsma, F., et al. . . . .   | 217 | Whittaker, J.B., see Bartel, W., et al. . . . .    | 231 |  |     |
| Valtonen, K., see Lemonne, J., et al. . . . .  | 103 | Whyman, B.M., see Brick, D.H., et al. . . . .      | 19  | <i>Erratum: Z. Phys. C-Particles and Fields</i><br>21, 395-402 (1984) . . . . .                                      | 404 |
| Vanhomwegen, G., see Lemonne, J., et al. . . . .                                       | 103 | Wickens, F., see Bailey, R., et al. . . . .        | 111 | Indexed in Current Contents<br>Evaluated for Physics Briefs<br>and INKA-PHYS data base                               |     |
| Vercesi, V., see Bagnaia, P., et al. . . . .   | 1   | Wickens, J., see Lemonne, J., et al. . . . .       | 103 |  |     |
| Vermeulen, J., see Bailey, R., et al. . . . .  | 111 | Widgoff, M., see Brick, D.H., et al. . . . .       | 19  |  |     |
|  |     | Wiggers, L.W., see Bailey, R., et al. . . . .      | 111 |  |     |
|  |     | Wigmans, R., see Allasia, D., et al. . . . .       | 119 |  |     |

